1 Getting Started

Congratulations on your purchase of the HP Photosmart M417/M517 digital camera, and welcome to the world of digital photography!

This manual explains camera features you can use to ensure great results while enjoying the photographic experience. Some of these features are:

- **HP adaptive lighting technology**—Automatically bring out details lost in shadows. See page 51.
- **In-camera red-eye removal**—Identify and remove red eyes from the subjects in still images that were taken with a flash. See page 68.
- **7 shooting modes**—Choose a preset shooting mode for best exposure for common picture scenes. See page 42.
- **HP Instant Share**—Easily select still images in your camera to be automatically sent to a variety of destinations such as e-mail addresses, web pages, or a printer the next time your camera is connected to a computer. Your recipients can then view your images without the burden of large file attachments. See page 71.
- **Direct print**—Print directly from your camera to any PictBridge-certified printer without having to connect to your computer. See page 81.
- **On-camera Help**—Use on-screen instructions for help on using camera features when you don't have the manual with you.

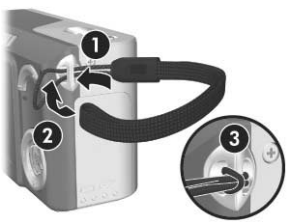
To further enhance your experience, you can purchase an HP Photosmart M-series dock. The camera dock allows you to easily transfer images to a computer, send images to a printer, view images on a television, and recharge batteries in your camera. The dock also provides a convenient home for your camera.

Setup

To locate a part on your camera (such as a button or a light) while following the instructions in this section, see **Camera Parts** on page 19.

1. Attach the Wrist Strap

Attach the wrist strap to the wrist strap mount on the side of the camera as shown.



2. Install the Batteries

1. Open the Battery/Memory card door on the side of the camera by sliding the door toward the bottom of the camera.
2. Insert the batteries as indicated inside the door.
3. Close the Battery/Memory card door by pushing the door down and sliding the door toward the top of the camera until the door latches.

For the performance of Alkaline, Lithium, and NiMH batteries when used with this camera, see **Performance per Battery Type** on page 148. For hints on optimizing battery performance, see **Appendix A, Managing Batteries**, starting on page145.

TIP: You can also use an optional HP AC power adapter to power the camera. If you use rechargeable NiMH batteries, you can recharge the batteries in the camera using the optional HP AC power adapter or the optional HP Photosmart M-series dock, or recharge the batteries separately in the optional HP Photosmart Quick Recharger. For more information, see **Appendix B, Purchasing Camera Accessories**, starting on page155.

3. Turn on the Camera

Turn the camera on by sliding the ▶ ON/OFF switch to the right and then releasing it.

The lens extends and the Power light to the left of the ▶ ON/OFF switch turns on solid green. The HP logo also displays on the Image Display as the camera powers up.

4. Choose the Language

The first time you turn the camera on, you are prompted to choose a language.

1. Scroll to the language that you want by using the ▲▼ ◀▶ buttons on the **Controller** ⊛.
2. Press the Menu OK button to select the highlighted language.

TIP: If you need to change the language later, you can do this with the **Language** setting in the **Setup** menu. See **Language** on page 92.

5. Set the Region

After choosing a language, you are prompted to choose the continent where you live. The **Language** and **Region** settings determine the defaults for the date format and the format of the video signal for displaying camera images on a television (see **TV Configuration** on page 91).

1. Scroll to the region that you want by using the ▲▼ buttons on the **Controller** ⊕.
2. Press the Menu/OK button to select the highlighted region.

6. Set the Date and Time

The camera has a clock that records the date and time at which you take each picture. This information is recorded in the image properties, which you can see when viewing the image on your computer. You can also choose to have the date and time imprinted on the image (see **Date & Time Imprint** on page 53).

1. The first item highlighted is the date and time format. If you want to change the format, use the ▲▼ buttons. If the date and time format is correct, press the ▶ button to move to the Date.

2. Adjust the highlighted selection using the ▲▼ buttons.
3. Press the ◀▶ buttons to move to the other selections.
4. Repeat steps 2 and 3 until the date and time are set correctly.

5. Press the Menu/OK button when you have entered the proper values for the date and time. A confirmation screen appears, asking if the correct date and time have been set. If the date and time are correct, press the Menu/OK button to select **Yes**.

   If the date and time are incorrect, press the ▼ button to highlight **No**, and then press the Menu/OK button. The **Date & Time** screen appears again. Repeat steps 1 through 6 to set the correct date and time.

TIP: If you need to change the date and time settings later, you can do this with the **Date & Time** setting in the **Setup Menu**. See **Date & Time** on page 89.

7. Install and Format a Memory Card (Optional)

Your camera contains internal memory that allows you to store images and video clips. However, you can use a memory card (purchased separately) instead to store images and video clips. For more information about supported memory cards, see **Storage** on page 166.

1. Turn off the camera and open the Battery/Memory card door on the side of the camera.
2. Insert the memory card in the small slot above the batteries, with the notched side of the card going in first, as shown. Make sure the memory card snaps into place.
3. Close the Battery/Memory card door and turn on the camera.

To help prevent corrupted cards and images, you should format memory cards before you use them for the first time, as follows:

1. Press the Menu/OK button, then use the ▶ button to move to the **Playback Menu** ▶.
2. Press the ▼ button to highlight **Delete**, and then press the Menu/OK button to display the **Delete** sub-menu.
3. Use the ▼ button to highlight **Format Card**, and then press the Menu/OK button to display the **Format Card** confirmation screen.

4. Press the ▼ button to highlight **Yes**, and then press the Menu/OK button to format the card.

   Formatting Card... appears in the Image Display while the camera is formatting the memory card. When the camera has completed the formatting, the Total Images Summary screen is displayed (see **Total Images Summary Screen** on page 62).

To remove the memory card from the camera, first turn the camera off. Then open the Battery/Memory card door, press down on the top edge of the memory card, and it will spring outward from the slot.

NOTE: When you install a memory card in the camera, all new images and video clips will be stored on the card. To use internal memory and view images stored there, remove the memory card. You can also transfer images from the internal memory to the memory card (see **Move Images to Card** on page 93).

8. Install the Software

The HP Image Zone software allows you to transfer images from the camera, and then view, edit, print, or e-mail them. It also allows you to configure the **HP Instant Share Menu** on the camera.

NOTE: If you do not install the HP Image Zone software, you can still use the camera, but certain features will be affected. For details, see **Using Your Camera without Installing the HP Image Zone Software** on page 99.

NOTE: If you have trouble installing or using the HP Image Zone software, see the HP Customer Support website: **www.hp.com/support** for more information.

Windows®

To install the HP Image Zone software successfully, your computer must have a minimum of 64MB of RAM, Windows 2000, XP, 98, 98 SE, or Me, and Internet Explorer 5.5 Service Pack 2 or higher. Internet Explorer 6 is recommended. If your computer meets these requirements, the installation process automatically installs either the full version of the HP Image Zone Software, or the HP Image Zone Express version. HP Image Zone Express lacks some features contained in the full version. For details, see **HP Image Zone Software** on page 96.

1. Close all programs and temporarily disable any virus protection software running on your computer.
2. Insert the HP Image Zone software CD into the CD drive of your computer and follow the on-screen instructions. If the installation screen does not appear, click **Start**, click **Run**, type **D:\Setup.exe**, where **D** is the letter of your CD drive, then click **OK**.

3. When the HP Image Zone software has finished installing, re-enable the virus protection software you disabled in step 1.

Macintosh

The full version of the HP Image Zone software is always installed on Macintosh computers.

1. Close all programs and temporarily disable any virus protection software running on your computer.
2. Insert the HP Image Zone software CD into the CD drive of your computer.
3. Double-click the CD icon on the computer desktop.
4. Double-click the installer icon, and then follow the on-screen instructions to install the software.
5. When the HP Image Zone software has finished installing, re-enable the virus protection software you disabled in step 1.

User's Manual on the CD

Copies of this User's Manual in different languages are located on the HP Image Zone software CD. To view the User's Manual:

1. Insert the HP Image Zone software CD into the CD drive of your computer.
2. **On Windows:** Click **View User's Manual** on the Main page of the CD installation screen.

   On Macintosh: Look in the **readme** file in the **docs** folder of the HP Image Zone software CD to locate the User's Manual in your language.

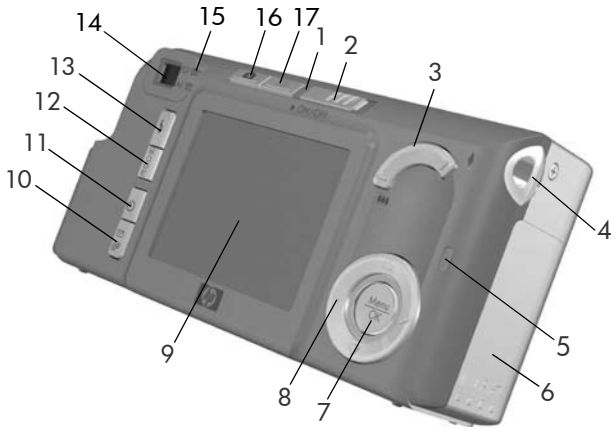
Camera Parts

Refer to the pages in parentheses after the part names in the following tables for more information about those parts.

Top of the Camera

#	Name	Description
1	**Shutter** button (pages 31, 33)	• Focuses and takes a picture. • Records audio clips.
2	**Video** button (page 33)	Starts and stops recording a video clip.

Back and Right Side of the Camera



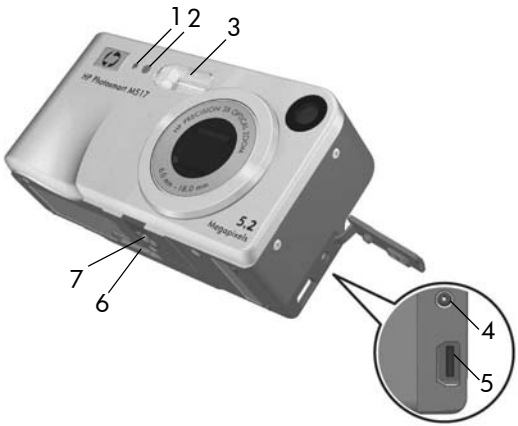
#	Name	Description
1	Power light	• **Solid**—Camera is on. • **Blinking rapidly**—Camera is shutting down due to lack of battery power. • **Blinking slowly**—Camera is charging the batteries using the optional HP AC power adapter. • **Off**—Camera is off.
2	▶ ON/OFF switch (page 12)	Turns the camera power on and off.

#	Name	Description
3	**Zoom lever** (page 38)	• **Zoom Out**—While taking still pictures, zooms out the lens to the wide angle position. • **Thumbnails**—While in **Playback**, allows you to view still images and the first frames of video clips arranged in a matrix of nine thumbnail images per screen. • **Zoom In**—While taking still pictures, zooms in the lens to the telephoto position. • **Magnify**—While in **Playback**, allows you to magnify a still image.
4	Wrist strap mount (page 10)	Allows you to attach a wrist strap to the camera.
5	Memory light	• **Blinking rapidly**—Camera is writing to either the internal memory or an optional memory card that is installed. • **Off**—Camera is not writing to memory.
6	Battery/Memory card door (page 11)	Allows access to insert and remove the batteries and an optional memory card.
7	Menu OK button (pages 47, 65)	Allows you to display the **Capture** and **Playback** menus, select menu options, and confirm certain actions on the Image Display.
8	**Controller** with ▲▼ and ◀▶ buttons	Allows you to scroll through menus and images on the Image Display.

#	Name	Description
9	Image Display (page 34)	Allows you to frame pictures and video clips using **Live View** and review them afterward in **Playback**, and to view all the menus.
10	✉ / **HP Instant Share/ Print** button (page 71)	Turns the **HP Instant Share Menu** on and off on the Image Display.
11	**Timer/Burst** button (pages 44, 46)	Allows you to select between the **Normal**, **Self-Timer**, **Self-Timer - 2 Shots**, and **Burst** settings.
12	**MODE** button (page 42)	Allows you to select between different shooting modes for taking still pictures.
13	**Flash** button (page 40)	Allows you to select between the different flash settings.
14	Viewfinder (page 31)	Allows you to frame the subject of your pictures or video clips.

#	Name	Description
15	Viewfinder lights	• **Solid red**—Video is recording. • **AF solid green**—When you press the **Shutter** button halfway down, this light turns on solid when the camera is ready to take a picture (auto exposure and auto focus are locked, and the flash is ready). Or, when you press the **Shutter** button all the way down to take a picture, this light turns on solid to indicate that auto exposure and auto focus were successful. • **AF blinking green**—When you press the **Shutter** button halfway down or all the way down, either a focus warning occurred, the flash is still charging, or the camera is still processing a picture. • **Both and AF blinking**—An error has occurred that prevents the camera from taking the picture.
16	**Live View** button (page 34)	• Turns **Live View** on and off on the Image Display. • If the Image Display is off but the camera is on, allows you to turn the Image Display on. • If a menu is open in the Image Display, allows you to close the menu.
17	**Playback** button (page 59)	• Turns **Playback** on and off on the Image Display. • Allows you to access the on-camera demo (see page 29).

Front, Left Side, and Bottom of the Camera



#	Name	Description
1	Microphone (page 32)	Records audio clips that are attached to still images and the audio portion of video clips.
2	Self-Timer/Video light (page 44)	Blinks during the countdown before taking a picture or recording video when the camera is set to **Self-Timer** or **Self-Timer - 2 shots**. Also turns on solid when recording video.
3	Flash (page 40)	Provides additional light to improve picture-taking.

#	Name	Description
4	DC IN Power adapter connector	Allows you to connect an optional HP AC power adapter to the camera to either operate the camera without batteries, or recharge NiMH rechargeable batteries in the camera.
5	USB connector (pages 79, 81)	Allows you to connect a USB cable from the camera to a USB-enabled computer or any PictBridge-certified printer.
6	Camera dock connector (page 155)	Allows you to connect the camera to the optional Photosmart M-series dock.
7	Tripod mount	Allows you to mount the camera on a tripod.

Camera States

Your camera has two main states that allow you to complete certain tasks. Each of these states has an associated menu that you can use to adjust camera settings or perform tasks in that state. See the following section, **Camera Menus**.

- **Capture**—Allows you to take still pictures and record video clips. For information about using **Capture**, see **Chapter 2, Taking Pictures and Recording Video Clips**, starting on page 31.
- **Playback**—Allows you to review the still images and video clips that you capture. For information about using **Playback**, see **Chapter 3, Reviewing Images and Video Clips**, starting on page 59.